

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 4, 2005, 21:00:47 ; Search time 520 Seconds
(without alignments)
1300.416 Million cell updates/sec

Title: us-09-486-094c-1

Perfect score: 110

Sequence: 1 aggtccgtgtgcaggcagat.....gaacgtgtgcaggtccgg 110

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 5706582 seqs, 3073711274 residues

Total number of hits satisfying chosen parameters: 11413164

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Published Applications NA:*
- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
 - 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq.*
 - 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
 - 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
 - 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
 - 6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq.*
 - 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
 - 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
 - 9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq.*
 - 10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
 - 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
 - 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
 - 13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
 - 14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
 - 15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
 - 16: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq.*
 - 17: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq.*
 - 18: /cgn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq.*
 - 19: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
 - 20: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
 - 21: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
 - 22: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	30.6	27.8	903	17	US-10-369-493-35131 Sequence 35131, A
2	30.6	27.8	912	17	US-10-369-493-38098 Sequence 38098, A
3	30.6	27.8	912	17	US-10-369-493-38261 Sequence 38261, A
4	30.6	27.8	912	17	US-10-369-493-38589 Sequence 38589, A
5	30.2	27.5	235033	15	US-10-301-844-1 Sequence 1, Appli
6	30.2	27.5	237326	15	US-10-301-844-2 Sequence 2, Appli
7	28.8	26.2	737	13	US-10-027-632-143917 Sequence 143917, A
8	28.8	26.2	737	13	US-10-027-632-143918 Sequence 143918, A
9	28.8	26.2	737	13	US-10-027-632-143919 Sequence 143919, A
10	28.8	26.2	737	17	US-10-027-632-143917 Sequence 143917, A
11	28.8	26.2	737	17	US-10-027-632-143918 Sequence 143918, A

12	28.8	26.2	737	17	US-10-027-632-143919 Sequence 143919, A
13	28.8	26.2	849	13	US-10-027-632-172797 Sequence 172797, A
14	28.8	26.2	849	17	US-10-027-632-172797 Sequence 172797, A
15	28.6	26.0	409	18	US-10-425-115-172118 Sequence 172118, A
16	28.4	25.8	486	17	US-10-424-599-67062 Sequence 67062, A
17	28.4	25.8	752	18	US-10-425-115-44458 Sequence 44458, A
18	28.4	25.8	35100	9	US-09-782-378A-26 Sequence 26, Appli
19	28.4	25.8	35101	18	US-10-645-88A-6 Sequence 6, Appli
20	28.2	25.6	1301	18	US-10-425-115-54754 Sequence 54754, A
21	28	25.5	810	13	US-10-027-632-21445 Sequence 21445, A
22	28	25.5	810	17	US-10-027-632-21445 Sequence 21445, A
23	27.8	25.3	641	13	US-10-027-632-114003 Sequence 114003, A
24	27.8	25.3	641	13	US-10-027-632-114004 Sequence 114004, A
25	27.8	25.3	641	17	US-10-027-632-114003 Sequence 114003, A
26	27.8	25.3	641	17	US-10-027-632-114004 Sequence 114004, A
27	27.8	25.3	1117	18	US-10-437-963-37894 Sequence 37894, A
28	27.6	25.1	499	13	US-10-027-632-281052 Sequence 281052, A
29	27.6	25.1	499	17	US-10-027-632-281052 Sequence 281052, A
30	27.6	25.1	594	17	US-10-425-114-6838 Sequence 6838, Ap
31	27.6	25.1	1337	17	US-10-425-114-1744 Sequence 1744, Ap
32	27.6	25.1	1435	17	US-10-425-114-30353 Sequence 30353, A
33	27.6	25.1	1563	18	US-10-425-115-133358 Sequence 133358, A
34	27.6	25.1	1579	18	US-10-425-115-133360 Sequence 133360, A
35	27.6	25.1	11853	17	US-10-074-024-739 Sequence 739, App
36	27.4	24.9	828	17	US-10-260-238-5387 Sequence 5387, Ap
37	27.4	24.9	1263	17	US-10-425-115-34993 Sequence 34993, A
38	27.4	24.9	1282	18	US-10-425-115-164089 Sequence 164089, A
39	27.2	24.7	193	9	US-09-864-761-21978 Sequence 21978, A
40	27.2	24.7	405	9	US-09-864-761-6167 Sequence 6167, Ap
41	27.2	24.7	592	13	US-10-027-632-126949 Sequence 126949, A
42	27.2	24.7	592	17	US-10-027-632-126949 Sequence 126949, A
43	27.2	24.7	656	13	US-10-027-632-105398 Sequence 105398, A
44	27.2	24.7	656	17	US-10-027-632-105398 Sequence 105398, A
45	27.2	24.7	729	13	US-10-027-632-126950 Sequence 126950, A

ALIGNMENTS

RESULT 1

- US-10-369-493-35131 ; Sequence 35131, Application US/10369493
- Publication No. US20030233675A1
- GENERAL INFORMATION:
- APPLICANT: Cao, Yongwei
- APPLICANT: Hinkle, Gregory J.
- APPLICANT: Slater, Steven C.
- APPLICANT: Goldman, Barry S.
- APPLICANT: Chen, Xianfeng
- TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF PLANTS WITH IMPROVED PROPERTIES
- FILE REFERENCE: 38-10(52052)B
- CURRENT APPLICATION NUMBER: US/10/369,493
- CURRENT FILING DATE: 2003-02-28
- PRIOR APPLICATION NUMBER: US 60/360,039
- PRIOR FILING DATE: 2002-02-21
- NUMBER OF SEQ ID NOS: 47374
- SEQ ID NO 35131
- LENGTH: 903
- TYPE: DNA
- ORGANISM: Agrobacterium tumefaciens
- US-10-369-493-35131

Query Match	27.8%	Score 30.6;	DB 17;	Length 903;
Best Local Similarity	62.3%	Pred. No. 1.7;	Mismatches 0;	Gaps 0;
Matches	48;	Conservative	0;	Indels 29;
Oy	29	GCAGGAGGAGGGTGGTTGCTACTACAAAGTGCACTAACAGGCCATCTAGCTCGGCAAG	88	
Db	472	GAAGAGGCCAGGCGGATGCGCGCTTTCCTTTCCGCGCTGAGCGCTCGGCAAG	531	
Oy	89	GCAGAGCTGTGACGGA	105	

Db . 532 GACAACTGTCGACGGA 548

RESULT 2

US-10-369-493-38098
; Sequence 38098, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 38098
; LENGTH: 912
; TYPE: DNA
; ORGANISM: Agrobacterium tumefaciens
US-10-369-493-38098

Query Match 27.8%; Score 30.6; DB 17; Length 912;
Best Local Similarity 62.3%; Pred. No. 1.7;
Matches 48; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

QY 29 GCAGGAGGAGGGTGTCTACTACAACTGCTACAAAGTGCCTAACAGGCCATCTGAGCTCGGCGAG 88

Db 481 GAAGAAGCCAGCGGATGCGACGCTTCTTGCCTTTGCCGCTGAGCGGCTCGGCAAG 540

QY 89 GCGAACGTGTCGACGGA 105

Db 541 GACAACTGTCGACGGA 557

RESULT 3

US-10-369-493-38261
; Sequence 38261, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 38261
; LENGTH: 912
; TYPE: DNA
; ORGANISM: Agrobacterium tumefaciens
US-10-369-493-38261

Query Match 27.8%; Score 30.6; DB 17; Length 912;
Best Local Similarity 62.3%; Pred. No. 1.7;
Matches 48; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

QY 29 GCAGGAGGAGGGTGTCTACTACAACTGCTACAAAGTGCCTAACAGGCCATCTGAGCTCGGCGAG 88

Db 481 GAAGAAGCCAGCGGATGCGACGCTTCTTGCCTTTGCCGCTGAGCGGCTCGGCAAG 540

QY 89 GCGAACGTGTCGACGGA 105

Db 541 GACAACTGTCGACGGA 557

RESULT 4

US-10-369-493-38589
; Sequence 38589, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 38589
; LENGTH: 912
; TYPE: DNA
; ORGANISM: Agrobacterium tumefaciens
US-10-369-493-38589

Query Match 27.8%; Score 30.6; DB 17; Length 912;
Best Local Similarity 62.3%; Pred. No. 1.7;
Matches 48; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

QY 29 GCAGGAGGAGGGTGTCTACTACAACTGCTACAAAGTGCCTAACAGGCCATCTGAGCTCGGCGAG 88

Db 481 GAAGAAGCCAGCGGATGCGACGCTTCTTGCCTTTGCCGCTGAGCGGCTCGGCAAG 540

QY 89 GCGAACGTGTCGACGGA 105

Db 541 GACAACTGTCGACGGA 557

RESULT 5

US-10-301-844-1
; Sequence 1, Application US/10301844
; Publication No. US20030100747A1
; GENERAL INFORMATION:
; APPLICANT: Ruddy, David A.
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: POLYMORPHISMS IN THE REGION OF THE HUMAN
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESS: Pennie & Edmonds, LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FASTSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/301,844
; FILING DATE: 20-NO. US20030100747A1-2002
; CLASSIFICATION: <unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/852,495C
; FILING DATE: 07-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M
; REGISTRATION NUMBER: 28,462

REFERENCE/DOCKET NUMBER: 8907-0057-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 235033 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-301-844-1

Query Match 27.5%; Score 30.2; DB 15; Length 235033;
Best Local Similarity 69.5%; Pred. No. 8;
Matches 41; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 1 AGTCCGTGTCAGGAGATCAAGATCTGCAGGAGGAGGGTGGTCTACTACAAGT 59
Db 192069 AGGACCATGAGCTTGGAGAGCATGAAGTACAGGAGGAGGGTGGTTTCAAATAAATCTG 192127

RESULT 6
US-10-301-844-2
; Sequence 2, Application US/10301844
; Publication No. US20030100747A1
; GENERAL INFORMATION:
; APPLICANT: Ruddy, David A.
; TITLE OF INVENTION: POLYMORPHISMS IN THE REGION OF THE HUMAN
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds, LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2811
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/301,844
; FILING DATE: 20-No. US20030100747A1-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/852,495C
; FILING DATE: 07-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0057-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-493-4935
; TELEFAX: 650-493-5556
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 237326 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-301-844-2

Query Match 27.5%; Score 30.2; DB 15; Length 237326;
Best Local Similarity 69.5%; Pred. No. 8;
Matches 41; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 1 AGTCCGTGTCAGGAGATCAAGATCTGCAGGAGGAGGGTGGTCTACTACAAGT 59
Db 194290 AGGACCATGAGCTTGGAGAGCATGAAGTACAGGAGGAGGGTGGTTTCAAATAAATCTG 194348

RESULT 7
US-10-027-632-143917
; Sequence 143917, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143917
; LENGTH: 737
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-143917

Query Match 26.2%; Score 28.8; DB 13; Length 737;
Best Local Similarity 60.8%; Pred. No. 6.7;
Matches 45; Conservative 1; Mismatches 28; Indels 0; Gaps 0;

QY 9 GTGAGGAGATCAAGATCTGCAGGAGGAGGGTGGTCTACTACAAGTGCATACAG 68
Db 64 GCGCCGCGAGAGCAGGAGTGGCTGGAGGAGCTGTGGTGGAGGAGGTGGCACRCAG 123

QY 69 GCATACATGAGTCT 82
Db 124 GGCCTGGAGGGCTC 137

RESULT 8
US-10-027-632-143918
; Sequence 143918, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358

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; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143918
; LENGTH: 737
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143918

Query Match          26.2%; Score 28.8; DB 13; Length 737;
Best Local Similarity 60.8%; Pred. No. 6.7;
Matches 45; Conservative 1; Mismatches 28; Indels 0; Gaps 0;

Qy 9 GTGCAGGCAGATCAAGATCTCCAGAGAGAGGGGTGCTTACTACAAAGTGCCTAAACAG 68
Db 64 GCGCCGGCAGAGCAGGAGTGGCTGGAGGAGCTGTGGTTGGAGCAGGAGGTGGCACRGCAG 123

Qy 69 GCCATCTAGGCTC 82
Db 124 GGCCTGGAGGGCTC 137

RESULT 9
US-10-027-632-143919
; Sequence 143919, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143919
; LENGTH: 737
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143919

Query Match          26.2%; Score 28.8; DB 13; Length 737;
Best Local Similarity 60.8%; Pred. No. 6.7;
Matches 45; Conservative 1; Mismatches 28; Indels 0; Gaps 0;

Qy 9 GTGCAGGCAGATCAAGATCTCCAGAGAGAGGGGTGCTTACTACAAAGTGCCTAAACAG 68
Db 64 GCGCCGGCAGAGCAGGAGTGGCTGGAGGAGCTGTGGTTGGAGCAGGAGGTGGCACRGCAG 123

Qy 69 GCCATCTAGGCTC 82
Db 124 GGCCTGGAGGGCTC 137

RESULT 10
US-10-027-632-143917
; Sequence 143917, Application US/10027632
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; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143917
; LENGTH: 737
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143917

Query Match          26.2%; Score 28.8; DB 17; Length 737;
Best Local Similarity 60.8%; Pred. No. 6.7;
Matches 45; Conservative 1; Mismatches 28; Indels 0; Gaps 0;

Qy 9 GTGCAGGCAGATCAAGATCTCCAGAGAGAGGGGTGCTTACTACAAAGTGCCTAAACAG 68
Db 64 GCGCCGGCAGAGCAGGAGTGGCTGGAGGAGCTGTGGTTGGAGCAGGAGGTGGCACRGCAG 123

Qy 69 GCCATCTAGGCTC 82
Db 124 GGCCTGGAGGGCTC 137

RESULT 11
US-10-027-632-143918
; Sequence 143918, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143918
; LENGTH: 737
; TYPE: DNA
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; ORGANISM: Human
US-10-027-632-143918

Query Match          26.2%; Score 28.8; DB 17; Length 737;
Best Local Similarity 60.8%; Pred. No. 6.7;
Matches 45; Conservative 1; Mismatches 28; Indels 0; Gaps 0;

Qy 9 GTGAGGAGATCAAGATCTGCAGAGAGGGGTGTTGCTACTACAAAGTGCATAACAG 68
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 64 GCGCCGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 123
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Qy 69 GCCATCTGAGCTC 82
    |||||
Db 124 GGCCTGAGGGCTC 137
    |||||

RESULT 12
US-10-027-632-143919
; Sequence 143919, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR FILING DATE: 2000-04-20
; PRIOR FILING DATE: 2000-03-29
; PRIOR FILING DATE: 1999-09-28
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 143919
; LENGTH: 737
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143919

Query Match          26.2%; Score 28.8; DB 17; Length 737;
Best Local Similarity 60.8%; Pred. No. 6.7;
Matches 45; Conservative 1; Mismatches 28; Indels 0; Gaps 0;

Qy 9 GTGAGGAGATCAAGATCTGCAGAGAGGGGTGTTGCTACTACAAAGTGCATAACAG 68
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 64 GCGCCGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 123
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Qy 69 GCCATCTGAGCTC 82
    |||||
Db 124 GGCCTGAGGGCTC 137
    |||||

RESULT 13
US-10-027-632-172797
; Sequence 172797, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR FILING DATE: 2000-04-20
; PRIOR FILING DATE: 2000-03-29
; PRIOR FILING DATE: 1999-11-23
; PRIOR FILING DATE: 1999-09-28
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 172797
; LENGTH: 849
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-172797

Query Match          26.2%; Score 28.8; DB 13; Length 849;
Best Local Similarity 58.0%; Pred. No. 6.9;
Matches 51; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

Qy 1 AGGTCCGTGTGCAGGAGATCAAGATCTGCAGAGAGGGGTGTTGCTACTACAAGTGC 60
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 703 AGGACAGTGGACACAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 762
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Qy 61 ACTAACAGGCCATCTAGCTCGCGAG 88
    |||||
Db 763 AAGGAGAGCCACCGGAGGGCTGTGAG 790
    |||||

RESULT 14
US-10-027-632-172797
; Sequence 172797, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR FILING DATE: 2000-04-20
; PRIOR FILING DATE: 2000-03-29
; PRIOR FILING DATE: 2000-02-24
; PRIOR FILING DATE: 1999-11-23
; PRIOR FILING DATE: 1999-09-28
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 172797
; LENGTH: 849
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-172797

Query Match          26.2%; Score 28.8; DB 17; Length 849;
Best Local Similarity 58.0%; Pred. No. 6.9;
Matches 51; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

Qy 1 AGGTCCGTGTGCAGGAGATCAAGATCTGCAGAGAGGGGTGTTGCTACTACAAGTGC 60
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 703 AGGACAGTGGACACAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 762
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Qy 61 ACTAACAGGCCATCTAGCTCGCGAG 88
    |||||
Db 763 AAGGAGAGCCACCGGAGGGCTGTGAG 790
    |||||
```

Db 703 AGGACAGTGGACACAGAGAGGAGGACACAGGAGGATGGGTTGTTACTCTTACTTGGGGG 762
Qy 61 ACTACAGGCCATCTAGCTCGGCGAG 88
Db 763 AAGGAGAGCCACCCGAGGGGCTGTGAG 790

RESULT 15
US-10-425-115-172118
; Sequence 172118, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 172118
; LENGTH: 409
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(409)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_88554C.1
US-10-425-115-172118

Query Match 26.0%; Score 28.6; DB 18; Length 409;
Best Local Similarity 56.5%; Pred. No. 6.9;
Matches 52; Conservative 0; Mismatches 40; Indels 0; Gaps 0;
Qy 12 CAGGAGATCAAGATCTCGAGAGAGGGGTTGTTGTTACTACAGTGCCTAACAGGCC 71
Db 304 CCGGAGCCCAAGCCCAAGATCGCGGGGCTGTCTGCTCGGAGGCTGGGCAACCT 363
Qy 72 ATACTGAGCTCGGAGCGGACGACGTGTCGACG 103
Db 364 NCACGAGCTGGCGCAGACGACGCTGACGACG 395

Search completed: June 4, 2005, 22:50:08
Job time : 522 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 4, 2005, 18:49:57 ; Search time 128 Seconds
(without alignments)
1406.175 Million cell updates/sec

Title: US-09-486-094C-1

Perfect score: 110

Sequence: 1 aggtcgtgtgcaggcagat.....gaacgtgtgcagcgtccgg 110

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA:*

- 1: /cgn2_6/ptodata/1/ina/5A COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5B COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/PCTUS COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
c 1	35	31.8	87	4	US-09-554-024-9
c 2	35	31.8	98	4	US-09-554-024-3
c 3	33	30.0	197	4	US-09-554-024-5
c 4	30.2	27.5	246240	2	US-08-724-394A-20
c 5	30.2	27.5	246240	2	US-08-724-394A-21
c 6	30.2	27.5	246240	2	US-08-724-394A-22
c 7	28.4	25.8	35081	2	US-08-752-760A-1
c 8	28	25.5	4403765	3	US-09-103-840A-2
c 9	28	25.5	4411529	3	US-09-103-840A-1
c 10	27.6	25.1	15164	4	US-09-949-016-11759
c 11	27.6	25.1	15165	4	US-09-949-016-15664
c 12	27.4	24.9	5362	2	US-08-853-310-3
c 13	26.8	24.4	10434	4	US-09-949-016-12258
c 14	26.8	24.4	10435	4	US-09-949-016-14654
c 15	26.6	24.2	355	4	US-09-270-767-28921
c 16	26.6	24.2	983	4	US-09-270-767-13037
c 17	26.6	24.2	22287	4	US-09-949-016-16820
c 18	26.6	24.2	169998	3	US-09-676-610B-24
c 19	26.6	24.2	197496	4	US-09-877-177A-10
c 20	26.4	24.0	601	4	US-09-949-016-94890
c 21	26.4	24.0	601	4	US-09-949-016-94891
c 22	26.4	24.0	601	4	US-09-949-016-94906
c 23	26.4	24.0	601	4	US-09-949-016-94907
c 24	26.4	24.0	601	4	US-09-949-016-140041
c 25	26.4	24.0	601	4	US-09-949-016-140042
c 26	26.4	24.0	601	4	US-09-949-016-140057
c 27	26.4	24.0	601	4	US-09-949-016-140058

ALIGNMENTS

RESULT 1

US-09-554-024-9/c

; Sequence 9, Application US/09554024

; Patent No. 6770798

; GENERAL INFORMATION:

; APPLICANT: Freyssinet, Georges

; APPLICANT: Derose, Richard

; APPLICANT: Hoffman, Jules

; TITLE OF INVENTION: Gene Coding for Thanatin, Vector

; TITLE OF INVENTION: Containing Same and Resulting Transformed Disease-Resistant

; TITLE OF INVENTION: Plants

; FILE REFERENCE: A33207-PCT-USA

; CURRENT APPLICATION NUMBER: US/09/554,024

; CURRENT FILING DATE: 2000-05-08

; PRIOR APPLICATION NUMBER: PCT/FR98/02375

; PRIOR FILING DATE: 1998-11-06

; PRIOR APPLICATION NUMBER: FR 97/14,263

; PRIOR FILING DATE: 1997-11-07

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 9

; LENGTH: 87

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic oligonucleotide

US-09-554-024-9

Query Match 31.8%; Score 35; DB 4; Length 87;

Best Local Similarity 100.0%; Pred. No. 0.0096;

Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 76 TGAGCTCGGCGAGCGAACGTGTCGACGGATCCGG 110

Db 35 TGAGCTCGGCGAGCGAACGTGTCGACGGATCCGG 1

RESULT 2

US-09-554-024-3

; Sequence 3, Application US/09554024

; Patent No. 6770798

; GENERAL INFORMATION:

; APPLICANT: Freyssinet, Georges

; APPLICANT: Derose, Richard

; APPLICANT: Hoffman, Jules

; TITLE OF INVENTION: Gene Coding for Thanatin, Vector

; TITLE OF INVENTION: Containing Same and Resulting Transformed Disease-Resistant

; TITLE OF INVENTION: Plants

; FILE REFERENCE: A33207-PCT-USA

; CURRENT APPLICATION NUMBER: US/09/554,024

Sequence 11087, A
Sequence 10955, A
Sequence 14504, A
Sequence 14505, A
Sequence 15701, A
Sequence 15702, A
Sequence 13966, A
Sequence 30042, A
Sequence 15770, A
Sequence 15771, A
Sequence 12980, A
Sequence 124015,
Sequence 124016,
Sequence 8393, Ap
Sequence 880, App
Sequence 15238, A
Sequence 12111, A
Sequence 1076, Ap

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; CURRENT FILING DATE: 2000-05-08
; PRIOR APPLICATION NUMBER: PCT/FR98/02375
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: FR 97/14,263
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 98
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Derived from Psodius maculiventis
; NAME/KEY: CDS
; LOCATION: (1)...(63)
US-09-554-024-3

Query Match          31.8%; Score 35; DB 4; Length 98;
Best Local Similarity 100.0%; Pred. No. 0.01;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 76 TGAGTCGCGGAGGCGAACGTCGTGACCGATCCGG 110
Db 64 TGAGTCGCGGAGGCGAACGTCGTGACCGATCCGG 98

RESULT 3
US-09-554-024-5
; Sequence 5, Application US/09554024
; Patent No. 6770798
; GENERAL INFORMATION:
; APPLICANT: Freysinet, Georges
; APPLICANT: Derose, Richard
; APPLICANT: Hoffman, Jules
; TITLE OF INVENTION: Gene Coding for Thanatin, Vector
; TITLE OF INVENTION: Containing Same and Resulting Transformed Disease-Resistant
; TITLE OF INVENTION: Plants
; FILE REFERENCE: A33207-PCT-USA
; CURRENT APPLICATION NUMBER: US/09/554,024
; CURRENT FILING DATE: 2000-05-08
; PRIOR APPLICATION NUMBER: PCT/FR98/02375
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: FR 97/14,263
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 197
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Derived from Psodius maculiventis
; NAME/KEY: CDS
; LOCATION: (12)...(164)
US-09-554-024-5

Query Match          30.0%; Score 33; DB 4; Length 197;
Best Local Similarity 100.0%; Pred. No. 0.063;
Matches 33; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 76 TGAGTCGCGGAGGCGAACGTCGTGACCGATCC 108
Db 165 TGAGTCGCGGAGGCGAACGTCGTGACCGATCC 197

RESULT 4
US-08-724-394A-20/c
; Sequence 20, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Kronmal, Gregory S.
; APPLICANT: Lauer, Peter M.
; TITLE OF INVENTION: Sequences and Antibodies Thereto
```

```
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; TITLE OF INVENTION: Sequences and Antibodies Thereto
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/724,394A
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 017957-000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 246240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..246240
; OTHER INFORMATION: /note= "HLA-H.CONTIG"
US-08-724-394A-20

Query Match          27.5%; Score 30.2; DB 2; Length 246240;
Best Local Similarity 69.5%; Pred. No. 7;
Matches 41; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

Qy 1 AGGTCCTGTCGAGGCGAGATCAAGATCTGCAGGAGGAGGGTGGTTGCTACTACAAGTG 59
Db 47382 AGGACCATGAGCTTGGAGAGCATGAGTACAGGAGGAGGGTGGTTTCAATAAATCTG 47324

RESULT 5
US-08-724-394A-21/c
; Sequence 21, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Kronmal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; TITLE OF INVENTION: Sequences and Antibodies Thereto
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
```


Query Match 25.8%; Score 28.4; DB 2; Length 35081;
Best Local Similarity 54.9%; Pred. No. 15;

Matches 56; Conservative 0; Mismatches 46; Indels 0; Gaps 0;
QY 8 TGTGAGGAGATCAAGATCTCCAGAGAGAGGGGTGGTGTCTACTACAGTGCATAACA 67
Db 30251 TGTGAAGTAGTAAACAGTGGAGGGGTTCGGGAGGGGGCTCTTCTAAGTACTGAATCA 30192
QY 68 GCCATATCTAGCTCGGCGAGGCGAAGCTGTGCGACGGATCCG 109
Db 30191 TGGAAACTGATTTCTCGGGAGGGGTGTGGTGGTGGCG 30150

RESULT 8
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 25.5%; Score 28; DB 3; Length 4403765;
Best Local Similarity 60.5%; Pred. No. 96;
Matches 46; Conservative 0; Mismatches 30; Indels 0; Gaps 0;
QY 29 GCAGGAGGAGGGGTGGTGTCTACTACAAAGTGCATAACAGGCGCATCTAGCTCGGCGAG 88
Db 73448 GCTCGGAGTGGAGTTGGAGATACCTCTGCCGAATCGACCTCGGAGCTCGGGCG 73507
QY 89 GCGAACGTGTGACCG 104
Db 73508 GTGTTCTGCGCAACGG 73523

RESULT 9
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 25.5%; Score 28; DB 3; Length 4411529;
Best Local Similarity 60.5%; Pred. No. 96;
Matches 46; Conservative 0; Mismatches 30; Indels 0; Gaps 0;
QY 29 GCAGGAGGAGGGGTGGTGTCTACTACAAAGTGCATAACAGGCGCATCTAGCTCGGCGAG 88
Db 73469 GCTCGGAGTGGAGTTGGAGATACCTCTGCCGAATCGACCTCGGAGCTCGGGCG 73528
QY 89 GCGAACGTGTGACCG 104
Db 73529 GTGTTCTGCGCAACGG 73544

RESULT 10
US-09-949-016-11759
; Sequence 11759, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11759
; LENGTH: 15164
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-11759

Query Match 25.1%; Score 27.6; DB 4; Length 15164;
Best Local Similarity 63.6%; Pred. No. 22;
Matches 42; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
QY 27 CTGCAAGAGGAGGGTGGTGTCTACTCAAGTGCATAACAGGCGCATCTAGCTCGGCG 86
Db 2736 CTGCAAGATAGGCGCTGCTCTCGGCATGCCACAGACGTGCAGACTTAAGTCGAG 2795
QY 87 AGGCGA 92
Db 2796 ACCTGA 2801

RESULT 11
US-09-949-016-15664
; Sequence 15664, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15664
; LENGTH: 15165
; TYPE: DNA

09/486/094

APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28921
; LENGTH: 355
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-28921

Query Match	24.2%	Score 26.6	DB 4	Length 355
Best Local Similarity	53.3%	Pred. No. 13		
Matches	56	Conservative	0	Mismatches 49
		Indels	0	Gaps 0

QY	6	CGTGTGCAGGCAGATCTGCAGGAGGGGGTGGTTGCTACTACAAAGTGCACCTAA	65
Db	196	CGGTTGCAACACATCACCACCAGCAGCAGCGGGTGGTCGACGACACATTACACAG	255

QY	66	CAGGCCATCTGAGCTCGCGGAGGCGAACGTTGTCAGCGGATCCGG	110
Db	256	CGCCGGATTCCCGCCAGTTGCAGATACACAGCCGCAAGCGG	300

Search completed: June 4, 2005, 21:21:07
Job time : 139 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 3, 2005, 01:22:14 ; Search time 137 Seconds
(without alignments)
63.080 Million cell updates/sec

Title: US-09-486-094C-2

Perfect score: 148

Sequence: 1 RSVCRQIKICRRGGCYKCTNRPY 25

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1465611 seqs, 345679903 residues

Total number of hits satisfying chosen parameters: 1465611

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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6	57.5	38.9	2844	15	US-10-015-115-8
7	57.5	38.9	2845	15	US-10-015-115-12
8	57.5	38.9	2877	15	US-10-015-115-10
9	57.5	38.9	2995	15	US-10-015-115-6
10	56	37.8	762	16	US-10-437-963-153687
11	55.5	37.5	290	16	US-10-363-829-289
12	54.5	36.8	34	14	US-10-252-734-81
13	54	36.5	49	15	US-10-204-342-11

14	53	35.8	49	15	US-10-204-342-10	Sequence 10, Appl
15	52	35.1	466	16	US-10-437-963-155311	Sequence 155311,
16	52	35.1	19723	15	US-10-084-846A-5	Sequence 5, Appl
17	51.5	34.8	956	15	US-10-004-378A-76	Sequence 76, Appl
18	51.5	34.8	956	15	US-10-004-378A-77	Sequence 77, Appl
19	51.5	34.8	967	16	US-10-322-696-69	Sequence 69, Appl
20	51	34.5	171	16	US-10-437-963-164298	Sequence 164298,
21	51	34.5	216	17	US-10-732-923-16158	Sequence 16158, A
22	50.5	34.1	735	9	US-09-898-570-10	Sequence 10, Appl
23	50.5	34.1	735	10	US-09-839-446-10	Sequence 12, Appl
24	50.5	34.1	845	9	US-09-898-570-12	Sequence 12, Appl
25	50.5	34.1	845	10	US-09-839-446-12	Sequence 2834, Ap
26	50.5	34.1	880	15	US-10-104-047-2834	Sequence 35, Appl
27	50.5	34.1	897	14	US-10-239-663-35	Sequence 12, Appl
28	50.5	34.1	897	16	US-10-470-390A-12	Sequence 6, Appl
29	50.5	34.1	914	15	US-10-406-073-6	Sequence 22, Appl
30	50.5	34.1	939	16	US-10-480-172-22	Sequence 14, Appl
31	50.5	34.1	974	9	US-09-898-570-14	Sequence 14, Appl
32	50.5	34.1	974	10	US-09-839-446-14	Sequence 36, Appl
33	50.5	34.1	993	14	US-10-239-663-36	Sequence 8, Appl
34	50.5	34.1	993	15	US-10-406-073-8	Sequence 15, Appl
35	50.5	34.1	993	15	US-10-406-073-15	Sequence 21, Appl
36	50.5	34.1	993	16	US-10-480-172-21	Sequence 16, Appl
37	50.5	34.1	1006	11	US-09-930-512-18	Sequence 16, Appl
38	50.5	34.1	1009	9	US-09-898-570-16	Sequence 14, Appl
39	50.5	34.1	1009	10	US-09-839-446-16	Sequence 20, Appl
40	50.5	34.1	1009	16	US-10-480-172-20	Sequence 34021, A
41	50	33.8	77	14	US-10-029-386-34021	Sequence 223727,
42	50	33.8	124	15	US-10-424-599-223727	Sequence 242304,
43	50	33.8	222	15	US-10-424-599-242304	Sequence 4, Appl
44	50	33.8	516	16	US-10-857-942-4	Sequence 17411, A
45	50	33.8	527	15	US-10-369-493-17411	

ALIGNMENTS

RESULT 1

US-10-884-355A-49
; Sequence 49, Application US/10884355A
; Publication No. US20050058689A1
; GENERAL INFORMATION:
; APPLICANT: Reactive Surfaces, Ltd.
; TITLE OF INVENTION: Antifungal Paints and Coatings
; FILE REFERENCE: RACT-00400
; CURRENT APPLICATION NUMBER: US/10/884,355A
; PRIOR FILING DATE: 2004-07-02
; PRIOR APPLICATION NUMBER: 60/485,234
; PRIOR FILING DATE: 2003-07-03
; NUMBER OF SEQ ID NOS: 199
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 49
; LENGTH: 25
; TYPE: PRT
; ORGANISM: Androctonus australis
US-10-884-355A-49

Query Match 100.0%; Score 148; DB 17; Length 25;
Best Local Similarity 100.0%; Pred. No. 3.1e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RSVCRQIKICRRGGCYKCTNRPY 25

Db 1 RSVCRQIKICRRGGCYKCTNRPY 25

RESULT 2

US-10-437-963-137499
; Sequence 137499, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.

```
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21153221B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 137499
; LENGTH: 718
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_38978C.1.pap
US-10-437-963-137499

Query Match      41.9%; Score 62; DB 16; Length 718;
Best Local Similarity 47.6%; Pred. No. 7.6;
Matches 10; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

Qy      4 CRQIKICRRGGCYKCTNRP 24
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Db      334 CQDIDCKLAGRCYGCNTNP 354

RESULT 3
US-09-825-751A-77
; Sequence 77, Application US/09825751A
; Publication No. US20030065140A1
; GENERAL INFORMATION:
; APPLICANT: CuraGen Corporation
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Fernandes, Elma R.
; APPLICANT: Taupier, Raymond J
; APPLICANT: Quinn, Kerry E
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Rastelli, Luca
; APPLICANT: Herrman, John L
; TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-750
; CURRENT APPLICATION NUMBER: US/09/825,751A
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/194,314
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: 60/225,693
; PRIOR FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 77
; LENGTH: 1574
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-825-751A-77

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Best Local Similarity 40.9%; Pred. No. 57;
Matches 9; Conservative 4; Mismatches 8; Indels 1; Gaps 1;

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Db      162 CQDVDCRAHGGCQHCRCVNTNP 183

RESULT 4
US-10-015-115-14
; Sequence 14, Application US/10015115
; Publication No. US20030207800A1
; GENERAL INFORMATION:
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Zernhusen, Bryan D
; APPLICANT: Patturajan, Meera
; APPLICANT: Guo, Xiaojia
; APPLICANT: Kekuda, Ramesha
; APPLICANT: Gangolli, Esha A
; APPLICANT: Shimkets, Richard A
; APPLICANT: Taupier, Raymond J
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
; FILE REFERENCE: 21402-211
; CURRENT APPLICATION NUMBER: US/10/015,115
; CURRENT FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 60/248,153
; PRIOR FILING DATE: 2000-11-13
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; APPLICANT: Shenoy, Suresh G
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Zernhusen, Bryan D
; APPLICANT: Patturajan, Meera
; APPLICANT: Guo, Xiaojia
; APPLICANT: Kekuda, Ramesha
; APPLICANT: Gangolli, Esha A
; APPLICANT: Shimkets, Richard A
; APPLICANT: Taupier, Raymond J
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
; FILE REFERENCE: 21402-211
; CURRENT APPLICATION NUMBER: US/10/015,115
; CURRENT FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 60/248,153
; PRIOR FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: 60/249,598
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/264,240
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/266,127
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/269,562
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: 60/304,348
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/309,261
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: 60/313,283
; PRIOR FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 205
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 14
; LENGTH: 2695
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-015-115-14

Query Match      38.9%; Score 57.5; DB 15; Length 2695;
Best Local Similarity 45.5%; Pred. No. 91;
Matches 10; Conservative 3; Mismatches 8; Indels 1; Gaps 1;

Qy      4 CRQIKICR-RRGGCYKCTNRP 24
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Db      2465 CQVDECAGRRGCGSCANTP 2486

RESULT 5
US-10-015-115-16
; Sequence 16, Application US/10015115
; Publication No. US20030207800A1
; GENERAL INFORMATION:
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Zernhusen, Bryan D
; APPLICANT: Patturajan, Meera
; APPLICANT: Guo, Xiaojia
; APPLICANT: Kekuda, Ramesha
; APPLICANT: Gangolli, Esha A
; APPLICANT: Shimkets, Richard A
; APPLICANT: Taupier, Raymond J
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
; FILE REFERENCE: 21402-211
; CURRENT APPLICATION NUMBER: US/10/015,115
; CURRENT FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 60/248,153
; PRIOR FILING DATE: 2000-11-13
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US-10-015-115-10
; Sequence 10, Application US/10015115
; Publication No. US20030207800A1
; GENERAL INFORMATION:

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; APPLICANT: Malvankar, Uriel M
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Zethusen, Bryan D
; APPLICANT: Patturajan, Meera
; APPLICANT: Guo, Xiaojia
; APPLICANT: Kekuda, Ramesha
; APPLICANT: Gangolli, Esha A
; APPLICANT: Shimkets, Richard A
; APPLICANT: Taupier, Raymond J
; APPLICANT: Li, Li
; APPLICANT: Padigar, Muralidhara
; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
; FILE REFERENCE: 21402-211
; CURRENT APPLICATION NUMBER: US/10/015,115
; CURRENT FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 60/248,153
; PRIOR FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: 60/249,598
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/264,240
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/266,127
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/269,562
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: 60/304,348
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/309,261
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: 60/313,283
; PRIOR FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 205
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 2877
; TYPE: PRT
; ORGANISM: Homo sapiens
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; LOCATION: (49)
; OTHER INFORMATION: Wherein Xaa is any amino acid as defined in the
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; FEATURE:
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; LOCATION: (98)
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; NAME/KEY: VARIANT
; LOCATION: (106)
; OTHER INFORMATION: Wherein Xaa is any amino acid as defined in the
; OTHER INFORMATION: specification.
; US-10-015-115-6

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Db 2647 CQVDECAGRRGPCSYSCANTP 2668

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; Sequence 6, Application US/10015115
; Publication No. US20030207800A1
; GENERAL INFORMATION:
; APPLICANT: Malvankar, Uriel M
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Zethusen, Bryan D
; APPLICANT: Patturajan, Meera
; APPLICANT: Guo, Xiaojia
; APPLICANT: Kekuda, Ramesha
; APPLICANT: Gangolli, Esha A
; APPLICANT: Shimkets, Richard A
; APPLICANT: Taupier, Raymond J
; APPLICANT: Li, Li
; APPLICANT: Padigar, Muralidhara
; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
; FILE REFERENCE: 21402-211
; CURRENT APPLICATION NUMBER: US/10/015,115
; CURRENT FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 60/248,153
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; PRIOR FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: 60/249,598
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/264,240
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/266,127
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/269,562
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: 60/304,348
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/309,261
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: 60/313,283
; PRIOR FILING DATE: 2001-08-17
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; OTHER INFORMATION: Wherein Xaa is any amino acid as defined in the
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; NAME/KEY: VARIANT
; LOCATION: (98)
; OTHER INFORMATION: Wherein Xaa is any amino acid as defined in the
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; NAME/KEY: VARIANT
; LOCATION: (104)
; OTHER INFORMATION: Wherein Xaa is any amino acid as defined in the
; OTHER INFORMATION: specification.
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (106)
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; OTHER INFORMATION: specification.
; US-10-015-115-6

Query Match 38.9%; Score 57.5; DB 15; Length 2995;
Best Local Similarity 45.5%; Pred. No. 1e+02;
Matches 10; Conservative 3; Mismatches 8; Indels 1; Gaps 1;

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Db 2765 CQVDECAGRRGPCSYSCANTP 2786

RESULT 10
US-10-437-963-153687
; Sequence 153687, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 153687
; LENGTH: 762
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Query Match	37.5%	Score 55.5;	DB 16;	Length 290;
Best Local Similarity	45.5%	Pred. No. 24;		

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 3, 2005, 01:12:23 ; Search time 41 Seconds
(without alignments)
45.518 Million cell updates/sec

Title: US-09-486-094C-2

Perfect score: 148

Sequence: 1 RSVCRQIKICRRGGCYKCTNRPY 25

Scoring table: BLOSUM62

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Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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4	54	36.5	129	4	US-09-270-767-50449
5	54	36.5	250	4	US-09-248-796A-19737
6	51.5	34.8	956	2	US-08-897-443-3
7	51	34.5	111	4	US-09-640-211A-966
8	51	34.5	113	4	US-09-640-211A-2273
9	51	34.5	194	4	US-09-252-991A-21199
10	50	33.8	395	4	US-09-252-991A-28738
11	49	33.1	37	4	US-09-732-210-514
12	49	33.1	37	4	US-09-732-210-518
13	48.5	32.8	638	2	US-08-897-443-1
14	48.5	32.8	956	4	US-09-949-016-6215
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16	48.5	32.8	963	4	US-09-949-016-11520
17	48	32.4	37	4	US-09-732-210-506
18	48	32.4	37	4	US-09-732-210-517
19	48	32.4	37	4	US-09-732-210-594
20	48	32.4	214	1	US-08-033-797-3
21	48	32.4	214	1	US-08-472-265-3
22	48	32.4	214	1	US-08-472-263-3
23	47.5	32.1	178	4	US-09-148-545-161
24	47.5	32.1	997	4	US-09-747-371-3
25	47	31.8	37	4	US-09-732-210-513
26	47	31.8	37	4	US-09-732-210-977
27	47	31.8	822	4	US-09-252-991A-23250

28	46.5	31.4	34	4	US-09-125-811-1	Sequence 1, Appli
29	46.5	31.4	999	4	US-09-747-371-2	Sequence 2, Appli
30	46	31.1	37	4	US-09-732-210-992	Sequence 992, App
31	46	31.1	101	4	US-09-621-976-5784	Sequence 5784, Ap
32	46	31.1	266	4	US-09-270-767-41569	Sequence 41569, A
33	45.5	30.7	325	4	US-09-949-016-11467	Sequence 11467, A
34	45.5	30.7	325	4	US-09-949-016-11468	Sequence 11468, A
35	45.5	30.7	352	4	US-09-949-016-8273	Sequence 8273, Ap
36	45.5	30.7	352	4	US-09-949-016-8274	Sequence 8274, Ap
37	45.5	30.7	387	2	US-08-884-072-5	Sequence 5, Appli
38	45.5	30.7	387	2	US-08-833-963C-9	Sequence 9, Appli
39	45.5	30.7	387	3	US-08-980-514-3	Sequence 3, Appli
40	45.5	30.7	387	3	US-09-212-168-5	Sequence 5, Appli
41	45.5	30.7	387	4	US-09-409-096-2	Sequence 2, Appli
42	45.5	30.7	488	1	US-08-243-542-1	Sequence 1, Appli
43	45.5	30.7	488	1	US-08-477-407-1	Sequence 1, Appli
44	45.5	30.7	488	1	US-08-484-355-1	Sequence 1, Appli
45	45.5	30.7	493	4	US-09-322-357-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-09-125-234-1
; Sequence 1, Application US/09125234A
; Patent No. 6127336
; GENERAL INFORMATION:
; APPLICANT: Bulet, Philippe
; APPLICANT: Hetru, Charles
; APPLICANT: Hoffmann, Jules
; APPLICANT: Sabatier, Laurence
; TITLE OF INVENTION: ANTIFUNGAL AND ANTIBACTERIAL PEPTIDES
; FILE REFERENCE: 31913-PCT-USA
; CURRENT APPLICATION NUMBER: US/09/125,234A
; CURRENT FILING DATE: 1998-11-16
; EARLIER APPLICATION NUMBER: 96/02168
; EARLIER FILING DATE: 1996-02-16
; EARLIER APPLICATION NUMBER: PCT/FR97/00295
; EARLIER FILING DATE: 1997-02-17
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 25
; TYPE: PRT
; ORGANISM: Androctonus australis
US-09-125-234-1

Query Match 95.3%; Score 141; DB 3; Length 25;
Best Local Similarity 96.0%; Pred. No. 1.5e-11;
Matches 24; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RSVCRQIKICRRGGCYKCTNRPY 25
Db 1 RSVCRQIKICRRGGCYKCTNRPY 25

RESULT 2

US-09-125-234-2
; Sequence 2, Application US/09125234A
; Patent No. 6127336
; GENERAL INFORMATION:
; APPLICANT: Bulet, Philippe
; APPLICANT: Hetru, Charles
; APPLICANT: Hoffmann, Jules
; APPLICANT: Sabatier, Laurence
; TITLE OF INVENTION: ANTIFUNGAL AND ANTIBACTERIAL PEPTIDES
; FILE REFERENCE: 31913-PCT-USA
; CURRENT APPLICATION NUMBER: US/09/125,234A
; CURRENT FILING DATE: 1998-11-16
; EARLIER APPLICATION NUMBER: 96/02168
; EARLIER FILING DATE: 1996-02-16
; EARLIER APPLICATION NUMBER: PCT/FR97/00295

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; EARLIER FILING DATE: 1997-02-17
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 25
; TYPE: PRT
; ORGANISM: Anuroctonus australis
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (4)...(4)
; NAME/KEY: UNSURE
; LOCATION: (10)...(10)
; NAME/KEY: UNSURE
; LOCATION: (16)...(16)
; NAME/KEY: UNSURE
; LOCATION: (20)...(20)
US-09-125-234-2

Query Match      65.5%; Score 97; DB 3; Length 25;
Best Local Similarity 83.3%; Pred. No. 5.9e-06;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 RSVCRQIKICRRRGCGYKCTNRP 24
   ||||| ||||| ||||| |||||
Db 1 RSVCRQIKICRRRGCGYKCTNRP 24

RESULT 3
US-09-270-767-35232
; Sequence 35232, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 35232
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-35232

Query Match      36.5%; Score 54; DB 4; Length 129;
Best Local Similarity 50.0%; Pred. No. 7.6;
Matches 8; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 10 CRRRGCGYKCTNRP 25
   ||||| ||||| ||||| |||||
Db 109 CVRRPSCLYRCLHRPH 124

RESULT 4
US-09-270-767-50449
; Sequence 50449, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 50449
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-50449

Query Match      36.5%; Score 54; DB 4; Length 129;
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Best Local Similarity 50.0%; Pred. No. 7.6;
Matches 8; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 10 CRRRGCGYKCTNRP 25
   ||||| ||||| ||||| |||||
Db 109 CVRRPSCLYRCLHRPH 124

RESULT 5
US-09-248-796A-19737
; Sequence 19737, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 19737
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-19737

Query Match      36.5%; Score 54; DB 4; Length 250;
Best Local Similarity 50.0%; Pred. No. 14;
Matches 9; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

Qy 8 KICRRRGCGYKCTNRP 25
   ||||| ||||| ||||| |||||
Db 30 KQARRPARCYRYCKPKY 47

RESULT 6
US-08-897-443-3
; Sequence 3, Application US/08897443
; Patent No. 5981263
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti
; APPLICANT: Corley, Neil C.
; APPLICANT: Shah, Purvi
; APPLICANT: Kaser, Mathew
; TITLE OF INVENTION: HUMAN MATRILIN-3
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/897,443
; FILING DATE: Filed Herewith
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0348 US
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; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 956 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 2072792
;
US-08-897-443-3
Query Match 34.8%; Score 51.5; DB 2; Length 956;
Best Local Similarity 39.1%; Pred. No. 99;
Matches 9; Conservative 4; Mismatches 9; Indels 1; Gaps 1;

QY 1 RSVCRQIKICRRGGYYICTN 22
Db 397 RKTCCRINICALNKPGEHCVN 419

RESULT 7
US-09-640-211A-966
; Sequence 966, Application US/09640211A
; Patent No. 6833446
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021CIU
; CURRENT APPLICATION NUMBER: US/09/640,211A
; CURRENT FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 2368
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 966
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Pinus radiata
;
US-09-640-211A-966
Query Match 34.5%; Score 51; DB 4; Length 111;
Best Local Similarity 55.6%; Pred. No. 16;
Matches 10; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 2 SVCRCQIKICRRRGCCYK 19
Db 14 SVHRQVTFCKRRGGLMKK 31

RESULT 8
US-09-640-211A-2273
; Sequence 2273, Application US/09640211A
; Patent No. 6833446
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021CIU
; CURRENT APPLICATION NUMBER: US/09/640,211A
; CURRENT FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 2368
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2273
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Pinus radiata
;
US-09-640-211A-2273
Query Match 34.5%; Score 51; DB 4; Length 113;
Best Local Similarity 55.6%; Pred. No. 16;
Matches 10; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 2 SVCRCQIKICRRRGCCYK 19
Db 14 SVHRQVTFCKRRGGLMKK 31

RESULT 9
US-09-252-991A-21199
; Sequence 21199, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 21199
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
;
US-09-252-991A-21199
Query Match 34.5%; Score 51; DB 4; Length 194;
Best Local Similarity 58.8%; Pred. No. 27;
Matches 10; Conservative 1; Mismatches 4; Indels 2; Gaps 1;

QY 9 ICRRRG-GCYKCTNR 23
Db 175 ICRRAGIPGCRWTCANR 191

RESULT 10
US-09-252-991A-28738
; Sequence 28738, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28738
; LENGTH: 395
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
;
US-09-252-991A-28738
Query Match 33.8%; Score 50; DB 4; Length 395;
Best Local Similarity 55.0%; Pred. No. 68;
Matches 11; Conservative 3; Mismatches 2; Indels 4; Gaps 1;

QY 1 RSVCRQIKI---CRRRGCC 16
Db 120 RAVRQPRMHAFCRRRGCC 139
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LENGTH: 956
TYPE: PRT
ORGANISM: Human
US-09-949-016-6215

Query Match 32.8%; Score 48.5; DB 4; Length 956;
Best Local Similarity 34.8%; Pred. No. 2.4e+02;
Matches 8; Conservative 5; Mismatches 9; Indels 1; Gaps 1;

QY 1 RSVCRQIKICK-RRGGCYKCTN 22
Db 397 KTCRRINICALNKPGEHCVN 419

RESULT 15

US-09-949-016-11519
Sequence 11519 Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 11519
LENGTH: 963
TYPE: PRT
ORGANISM: Human
US-09-949-016-11519

Query Match 32.8%; Score 48.5; DB 4; Length 963;
Best Local Similarity 34.8%; Pred. No. 2.4e+02;
Matches 8; Conservative 5; Mismatches 9; Indels 1; Gaps 1;

QY 1 RSVCRQIKICK-RRGGCYKCTN 22
Db 438 KTCRRINICALNKPGEHCVN 460

Search completed: June 3, 2005, 01:25:19
Job time : 43 secs

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